RD:MML IV-7

DEPARTMENT OF COLUMNOS BUREAU OF STANDARDS Vashington

Lotter Circular LC-319

Fobruary 4, 1932

FUBLICATIONS ROLLTING TO PHOTOGR PHY

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CLASSIFICATION OF BULDAU OF STANDARDS FUBLICATIONS

A detailed discussion of the classes of publications of the Bureau of Standards together with a cross indixed list of all publications is given in Gircular of the Bureau of Standards No. 24 with supplements. The letter or letters preceding the number of the paper indicate the class to which it belongs. The significance of letters appearing in the list is as follows:

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- C = Circulars of the Bureau of Standards
- LC = Letter Circulars of the Bureau of Standards
 - M = Miscellaneous Fublications of the Bureau of Standards
 - R = Simplified Practice Recommendations of the Bureau of Standards
 - S = Scientific Papers of the Bureau of Standards
 - T = Technologic Papers of the Bureau of Standards
- RP = Research Papers of the Bureau of Standards (Superseding classes S and T, starting in July 1928 and being papers originally published in the Bureau of Standards Journal of Research and available in the form of reprints.)

TO OBTAIN GOVERNMENT PUBLICATIONS

The Eureau of Standards publications, if not out of print and excepting Letter Circulars, may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D.C., at the prices stated (stamps are not accepted).

Letter Circulars may be obtained free of charge from the Bureau of Standards, Washington, D.C., as long as available.

PUBLICATIONS OUT OF PRINT

Publications marked with an asterisk (*) are out of print but may be consulted at the leading libraries. A list of Government depository reference libraries is given in the Supplement to C 24, Nov., 1930, pp. 14-21.



3.

TO OBTAIN ARTICLES APPEARING IN OUTSIDE PUBLICATIONS

Articles by members of the Staff of the Bureau of Standards appearing in other than Government publications are listed separately. These publications may usually be found in the larger libraries or in some cases, obtained from the publishers. Reprints may, in a few cases, be obtained by applying directly to the authors.

LIST OF FEDERAL SPECIFICATIONS FOR PHOTOGRAPHIC MATURIALS

The following list is taken from the complete list of all Federal Specifications given in the Federal Standard Stock Catalogue, Section IV, revised to July 1, 1931. Copies of Federal Specifications may be purchased from the Superintendent of Documents, Vashington, D.C.

Specification Symbol	Title of Specification	Original F.S.B.No.
G-M-111	Lantern slide mats	-
G-P-641	Paper negative preservers	-
0 - M-571	Mono-Methyl-Paraminophenol Sulphate (supersedes U-M-191)	421
0S-581	Sodium-Carbonate; granular (monohydrate crystals)	432
0-S-606	Sodium Sulphite; anhydrous (for photography)	586
UU-F-81	Blueprint paper, permanent- record (sensitized and un- sensitized). (Supersedes UU-P-83)	179
UU-P-86	Elueprint paper, semi-permanent-record (sensitized and unsensitized) (supersedes UU-P-88)	- 180

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Specification Symbol	Title of Specification	Original F.S.B.No.
UU-P-91	Blueprint paper, temporary-record (sensitized and unsensitized (supersedes UU-P-93)	181
UU-P-141	Brownprint paper, permanent- record (sensitized and un- sensitized (supersedes UU- P-143)	182
UU-P-416	Photographic black-line paper	-
UU-P-418	Photographic negative paper	-

CHRONOLOGICAL LIST OF REFERENCES

Consecutive reference numbers have been assigned to the references in the list of outside publications in order to facilitate the use of the author and subject indices given at the end of this list.

1. BUREAU OF STANDARDS PUBLICATIONS

В	of S.				
	No.	Title of Paper	Authors	Date	Price
		Luminous Efficiency of the Firefly	Herrert E. Ives and W.W. Coblentz	8-09	5¢
	S312	Wavelength Measure- ments in Spectra from 5600A to 9600A	W.F. Meggers	1-16-18	10¢
	S318	The Application of Dicyanin to the Photography of Stellar Spectra	Paul W. Merrill	4-13-18	10¢
	S385	A New Microphotometer for Photographic Den- sities	W.F. Meggers and Paul D. Foote	€-30-20	5¢

P. of S.				
No.	Title of Paper	Authors	Date	Price
S392	A Photographic Method of Detecting Changes in a Complicated Group of Objects	M.H. Stillman	7-31-20	5¢
5409	A New Method for the Measurement of Photographic Filter Factors	Raymond Davis	2-5-21	5¢
S422*	Studies in Color Sensitive Photo- graphic Plates and Methods of Sensi- tizing by Bathing	F.M. Talters, Jr. and Raymond Davis	11-15-21	1.5¢
following available	Much of the material ing Circular of the Bureau			
-	Color Sensitive Photographic Plates	(unsigned)	11-6-19	
S439*	Sensitometry of Pho- tographic Emulsions and a Survey of the Characteristics of Plates and Films of American Manufacture	Raymond Davis i and F.M.Walters, Jr.	5-5-22	35¢
	Much of the material in plished in the following f Standards which are no	g Photographic Cir	culars of	
1	Testing of Photo- graphic Emulsions and a Description of the Apparatus used in Photo- graphic Sensitom- etry	Raymond Davis	1918	
2	In Itlas of Photographic Emulsions	Raymond Davis and F.M. Walters, Jr.	9-3-20	(Confi- dential)
T217	Photomicrography of Paper Fibres	R.H. Lofton	8-2-22	5¢

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T C				
B. of S.	Title of Paper	Luthors	Date	Price
S454	Action of Charred Paper on the Photo- graphic Plate and a Method of Decipher- ing Charred Records	Raymond Davis	10-18-22	5¢
T255	A Camera for Studying Projectiles in Flight	H.L. Curtis, V.H. Wadleigh and H. Sollman	3-19-24	10¢
S494	Aberrations of Long Focus Anastigmatic Photographic Object- ives	iH. Bonnett	10-16-24	20¢
S508	Spark Photography and Its Application to Some Problems of Ballistics	Phillip P. Quaylo	6-15-25	20¢
S511	A Nonintermittent Sensitometer (Time- Scale Exposure Mach- ine) with Clock-Con- tbolled Motor Drive	Raymond Davis	8-20-25	15¢
S517	A Special Camera for Photographing Cylin-drical Surfaces	Raymond Davis	12-5-25	10¢
\$528	Experimental Study of the Relation between Intermittent and Nonintermittent Sector-Wheel Photographic Exposures	Raymond Davis	5-18-26	20¢
RP20	Sensitization of Pho- tographic Emulsions by Colloidal Materials	Burt H. Carroll and Donald Hubbard	10-28	10¢
R98	Photographic Paper		1929	10¢
RPl34	The Effect of Light on Silver Chloride in Chemical Analyses	G.E.F. Lundoll and J.I. Hoffman	1-30	5¢



B. of S.	Title of Donor	uthors	Date	Prico
No.	Title of Paper Spectral Sensitiza- tion of Photograph- ic Emulsions (Notes on Bathing with Finacyanol-Finaflav- ol Mixtures)	Burt H. Carroll and Donald Hubbard		5¢
RP163	A Comparison of Resolving Power and Sensitivity of Photographic Plates with Varying Development		7-30	5¢
M114	Filters for the Re- production of Sun- light and Daylight and the Determina- tion of Color Temperature	Raymond Davis and K.S. Gibson	1-31	45¢
RP340	The Photographic Emulsion- After Ripening	Burt H. Carroll and Donald Hubbard	8-31	10\$
RP355	An Experimental Study of Several Methods of Representing Photographic Sensitivity	Raymond Davis and -G.K. Nocland	9-31	10¢
RP365	Correlated Color Temperature for Il- luminents	Raymond Davis	10-31	10¢
RP374	The Relative Spectral Energy Distribution and Correlated Color Temperature of the N.F.L. White-Light Standard	and	11-31	5¢
RP376	The Photographic Emulsion: The Silver fon-Colatin Equilibrium	and	11-31	5¢
RP 3 78	Variation of Photographic Sensitivity with Different Light Sources	and	11-31	5¢

B. of S. No.	Title of Paper	Authors	Date	Price
RP427	The Optical Require- ments of Lirplane Maping	I.C. Gardner	4-32	



2. OUTSIDE PUBLICATIONS.

n - 4					
Rof.	Name of Publication	Title of Paper	Luthors	Date	Vol.
1	Physical Review (abstract of - lecture)	Optical and Photographic Methods for the Detection of Invisible Writing	and		<u>14</u> p.188
2	Journal of the Franklin Institute	Hypersensitizing Commercial Pan- chromatic Plates	S.M. Burka	1-20	189 p.25
3	Journal of the Opti- cal Society of America and Review of Scientific In- struments (reprint of S385)	New Micropho- tomcter for Pho- tographic Densi- ties	W.F.Moggers and P.D. Foote	1-20	4,1 p.24
4	Journal of the Optical Society of America and Review of Scientific Instruments	Dyes for Photographic Schsiting	".F.Meggers and E.J.Stimson	5-20	4,3 p.91
5	Journal of the Optical Society of America and Review of Scientific Instruments (reprinted as S409)	A New Method for Measurement of Photographic Fil- ter Factors	Raymond Davi	s 9-20	4,5 p.300
6	The Photographic Journal (reprint of S409)	A New Method for Measurement of Photographic Filter Factors	Raymond Davis	4-21	61 p.168
7	Lefax Handbook (abstract of S422)	Color Sensitive Photographic Plates and Methods of Sensitizing by Bathing	F.M.Walters, and Raymond Davi	-Jr↓ 1s ⁹ -21	Dewey 722 Lefax 00
8	The British Journal of Photography (reprint of S422)	Studies in Color Sensitizing by Bathing	F.M. Walters, and 7 Raymond Davi	7-14-22	69 p.416



Rof.	Name of Publication	Title of Paper	Authors	Date	Vol.
9	Journal of the Optical Society of America and Review of Scientific Instruments	Note on the Shrinkage of Photographic Films	H.L. Curtis	3 - 23	7,3 p.275
10	The British Journal of Photography (reprint of S439)	Sensitometry of Photographic Emulsions and a Survey of the Characteristics of Plates and Films of American Manufacture	Raymond Davis and F.M. Valters, Jr.	8-17-23 8-24-23 8-31-23 9-7-23 4-6-23	70 p.505 p.525 p.539 p.554 p.205
11	The British Journal of Photography (reprint of S454)	Action of Charred Paper on the Pho- tographic Plate and a Method of Deciphering Char- red Records	Raymond Davis	4-6-23	70 p.205
12	Journal of Physical Chemistry	Solarization and Photographic Re- versal by Desen- sitizers	B.H. Carroll	6-25	29 p.693
13	Science et Industries Photographi- ques (abstract of 12)	Solarization and Photographic Reversal by Desensitizers	B.H. Carroll	8-25	5,8 p.139
14	The Chemical News and Journal of Industrial Science (abstract of S511)	: Nonintermittent Sensitometer	Raymond Davis	12-4-25	131 p.354
15	Journal of Physical Chemistry	The Photochemical Oxidation of Leuco Bases	B.H. Carroll	1-26	30 p.130

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16	Science et Industries Photograph- iques (translation of S511)	Sensitometer Non- Intermittent a · Moteur Controle par Pendule	Raymond Davis	2-26	6,2 p.24
17	Journal of the Optical Society of America and Review of Scientific In- struments	A Camera for Photographing the Interior of a Rifle Barrel	and	2-26	12,2 p.159
18	Journal of the Optical Society of America and Review of Scientific In- struments	The Unit of Photographic Intensity (Report of O.S.A. Committee)	L.A. Jones, Chairman	6-26	12,6 p.567
19	Science et Industrics Photograph- iques (translation of 0517)	Appariel pour la Photographic des Surfaces Cylind- riques	Raymond Davis	6-26	6,6 p.115
20	Journal of the Optical Society of Imerica and Review of Scientific In- struments	Sensitization for The Entire Vis- ible Spectrum	B.H. Carroll	7-26	13,1 p.35
21	Technische Rundschau (Translation of S517)	Eine Spezialkam- era Zum Photo- graphieren von Zylinderflachen	Raymond Davis Trans. by Dr. Alfred Grad- enwitz	8-18-26	33,32 p.297
22	Science et Industries Photograph- iques (translation of S528)	Influence des Poses Intermit- tentes Sur l'ac- tion Photograph- iques	Raymond Davis	10-25	6,10 p.179



Ref.	Name of				
No.	Publication	Title of Paper	Luthors	Date	Vol.
23	Science et Industries Photograph- iques (ábstract of 20)	Sensitization for the Entire Visible Spectrum	B.H. Carroll	10-26	6,10 p.187
24	Journal of the Optical Society of America and Review of Scientific Instruments (abstract of lecture)	Reproducible Liquid Filters for the Pro- duction of "Thite Light"	Raymond Davis and K.S. Gibson	2-27	14,2 p.135
25	Journal of the Optical Society of America and Review of Scientific Instruments	The Distortion of Some Typical Photographic Objectives	A.H. Bennett	3-27	14,3 p.235
26	Journal of the Optical Society of merica and Review of Scientific Instruments	The Compensation of Distortion in Objectives for Airplane Photography	I.C. Gardner and A.H. Bennett	3-27	14,3 p.245
27		Filtres Colored pour "Lumicre Blanche"	Raymond Davis and K.S. Gibson	5-27	7,5 p.91
28	Fhysical Re- view (abstract of lecture)	Reproducible Liquid Filters for the Deter- mination of the Color Tempera- ture of Incan- descent Lamps	Raymond Davis and K.S. Gibson	6-27	29,2 p.916



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29	Journal of Physical Chemistry	The Photographic Imulsion T. The Comparison of Emulsions Made with Different Bromides	B.H. Carroll and Donald Hubbard		31 p.906
30	Science et Industries Photograph- iques (abstract of 29)	The Photographic Emulsion I. The Comparison of Emulsions Made With Different Bromides	B.H. Carroll and Donald Hubbard		7 p.146
31	Journal of the Optical Society of America and Review of Scientific Instruments (abstract of of lecture)	Filters for the Reproduction of Sunlight and the Determination of Color Temperature.	Raymond Davis and K.S. Gibson	5- 28	16,5 p.33
32	Proc. 7th Int. Cong., Prot., London	The Unit of Photographic Intensity-Report of the C.S. 1. Committee on the Unit of Photographic Intensity		7-28	p.152
33	Proc. 7th Int. Cong. Phot., London	Artificial Sun- light for Photo- graphic Sensi- tometry	Raymond Davis and K.S. Gibson	7-28	p.161
34	Science et Industries Photograph-iques (translation of 33)	Lumiere Solaire Artificielle pour Sensitometrie	Raymond Davis and K.S. Gibson	9-28	<u>8</u> ,9 p.158
35		Sensitization of Emulsions by Colloid Materials.	B.H. Carroll and Donald Hubbard	11-23-28 11-30-28 12-7-28	p.72

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36		Artificial Sunlight for Photographic Scnsitometry	Raymond Davis and K.S. Gibson	: 1928	12,33 p.225
37	Optical Society of America and Review of Scien- tific Instru- ments		L.A. Jones. Chairman	3-29	18,3 p.162
38	Optical Society	Methods for Deter- mining the Color of Sunlight and Daylight	K.S. Gibson and Raymond Davis		18,6 p.442
39	Photograph- ische Indust- rie (translation of RP20)	Sensitization of Emulsions by Col- loid Materials	B.H. Carroll and Donald Hubba		27 p.321
40	Journal of the Radiological Society of Morth America (Radiology)	Safeguarding the Storage of Photographic, Motion Ficture, and X-ray Films	C.R. Brown	5-30	14 p.454
41	British Journal of Photography	Sonsitizing with Pinacyanol-Pina- flavol Mixtures	B.H. Carroll and Donald Hubbs		77 p.429
42	Science et In- dustries Photo- graphiques (abstract of RF183)	A Comparison of Resolving Power and Sensitivity of Thetographic llates with varying Development	B.H. Carroll and Donald Hubbs	(2)	1,11 p.412



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43	Science et Industries Thotographiques (abstract of M114)	Filteres pour la Reproduction de la Lumiere Sol- aire (etalon Sensitometrique)	Raymond Davis and K.S. Gibson	5-31 (2)	2,5 p.167
44	Journal of the Optical Society of merica	A Mote on the "Speed of Photographic Umulsions	Raymond Davis and G.K. Neeland	7-31	21,7 p.41(
45	Science ct Industries Fhotograph- iques (translation of 44)	Expression de la Sensibilite des Emulsions Pheto- graphiques	Raymond Davis and G.K. Neeland	9-31 (2)	2,9 p.334
46	Optical Societ	The Photographic yUnit of Intensity (Report of C.S Committee)	H.S. Gibson. Chairman	10-31	1,10 p.654
47	Science et Industries Photograph- iques (abstract of RP340)	The Photographic Tmulsion- After Ripening	B.H. Carroll and Donald Hubbard) 2 p.444
48	Journal of Chemical Education	The Preparation of Photographic Umulsions	B.H. Carroll	12-31	8,12 p.234
49	Chemical "eck- blad (abstract of Mll4)	Filtors for the Reproduction of Sunlight and Day-light and the Determination of Color Temperature	Raymond Davis and K.S. Gibson	1-9-32	
50	Science et Industries Thotograph- icues (translation of RF355)	Etude exteriment- ale de quelques Nethodes d'ex- pression de la sensibilite	Raymond Davis and G.H. Nacland	132 (2)	3,1



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51	Kongressband, 8 Internation- aler Photo- graphischer Kongress (translation of RP355	Experimentelle Untersuchung Verschiedener Methoden, die Photographische Empfindlichkeit Darzustellen	Raymond Davis and G.K. Neoland
52	Journal of the Society of Motion Picture Engineers	The Mechanism of Hypersensitization	B.H. Carroll and Donald Hubbard
53	Journal of the Society of Motion Ficture Engineers (rewrite of RP355)	Variation of Photographic Sensitivity with Development Time	Raymond Davis and G.K. Neeland
54	Journal of the Society of Motion lieture Engineers (reprint of RP378)	Variation of Photo- graphic Sensitivity with Different Light Sources	Raymond Davis and G.K. Necland



SUBJECT INDEX

In the following index the Bureau of Standards Publications are indicated by their official numbers. Papers appearing in other than Government publications are designated by the reference numbers given in the preceding list of Outside Publications. These numbers are inclosed in parenthesis to distinguish them from Government publications.

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Apparatus:

Abberations of long focus lenses S494 Camera for photographing bullets in flight T255 Camera for photographing the interior or fifle barrels (17) Camera for photographing cylindrical surfaces S517, (19),(21) Distortion of photographic objectives (25) Compensation for distortion in airplane objectives (26) Optical requirements for airplane mapping RP427

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Infra-red spectroscopy S312, S318

Photomicrography:

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Technology:

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